

REMARKS

Claims 1, 2, 5, 8, and 14 are amended, and new claims 15-17 are added. Therefore, upon entry of this amendment, Claims 1-17 are pending. Applicant respectfully requests reconsideration and reexamination of the application.

Claim 2 was objected to informalities. Claim 2 is amended to recite "with each other" as suggested and supported by the application as filed in the paragraph on page 2 lines 26-27, corresponding to paragraph [0014], in the paragraph on page 5 lines 1-11, corresponding to paragraph [0036], and in dependent Claim 6. Applicant respectfully requests the objection be withdrawn.

The specification is amended in the paragraph on page 2 lines 30-31, corresponding to paragraph [0016], on page 10 lines 7-11, corresponding to paragraph [0060], and on page 11 lines 8-10, corresponding to paragraph [0068], to correct typographical errors. The specification is amended on page 6 lines 10-17, corresponding to paragraph [0044], to recite "Further, as shown in FIGS. 1-4, the distance between the common electrode (133a, 133b) and an adjacent pixel electrode (174a, 174b) is greater than the respective width of the common electrode and the adjacent pixel electrode. More particularly, the distance between common electrode 133a and the adjacent pixel electrode 174a is greater than the width of either the common electrode 133a or the pixel electrode 174a." as taught in the application as filed (Specification paragraph [0045]-[0046] and Figures 1-4). The Abstract of the Disclosure is amended to conform to the amendments for Claim 1. No new matter is added by these amendments.

Applicant respectfully asserts that the present disclosure teaches the distance between a one of the plurality of common electrodes and an adjacent one of the plurality

LAW OFFICES OF
MACPHERSON KWOK CHEN &
HEID LLP
2402 MICHELSON DRIVE
SUITE 210
IRVINE CA 92612
(949) 752-7040
FAX (949) 392-9252

of pixel electrodes is greater than the respective width of the one of the plurality of common electrodes and the adjacent one of the plurality of pixel electrodes (Specification paragraph [0045]-[0046] and Figures 1-4). Further, Applicant asserts that the redundant signal line of page 2 lines 30-31 and Claim 8 as filed would be understood by a person of ordinary skill in the relevant art to be the redundant data line taught by the entirety of the present disclosure as filed (Specification page 7 line 26 to page 8 line 10, corresponding to paragraphs [0051]-[0053], page 11 line 17 to page 12 line 30, corresponding to paragraphs [0070]-[0076], page 16 lines 16-21, corresponding to paragraph [0108], and Figures 1-4). Claim 8 is amended to conform to the description of the redundant data lines 191 (Specification paragraphs [0052]-[0054], [0072]-[0076], [0108], and Figures 1-4).

Claims 1, 3-5, 7-14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,603,526 to *Kim et al.*, hereinafter *Kim*. Independent claim 1 is amended to recite "wherein the distance between a one of the plurality of common electrodes and an adjacent one of the plurality of pixel electrodes is greater than the respective width of the one of the plurality of common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested by *Kim*. In contrast, *Kim* teaches a pixel electrode 24b and a counter electrode 230 which entirely overlap each other (*Kim* col. 8 lines 40-44 and Fig. 5). Hence, there is no gap between the pixel electrode 24b and counter electrode 230.

Similarly, independent claim 5 is amended to recite "wherein the distance between the one of the plurality of branched common electrodes and an adjacent one of the plurality of branched pixel electrodes is greater than the respective width of the one of

LAW OFFICES OF
MACPHERSON KWOK CHEN &
HEID LLP
2402 MICHELSON DRIVE
SUITE 210
IRVINE CA 92612
(949) 753-7040
FAX (949) 392-9262

the plurality of branched common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested by *Kim*. Applicant respectfully traverses the assertion that *Kim* teaches a redundant line as suggested in the rejection of Claim 8 as filed since none of the figures nor the written description teach a redundant data line as claimed and supported by the specification as filed. Specifically, the paragraphs from page 7 line 26 to page 8 line 10, corresponding to paragraphs [0051]-[0053], teach a redundant data line formed on a passivation layer and extending along the data line, the passivation layer having a contact hole for connection between the data line and the redundant data line, the redundant data line being connected to the data line through the contact hole.

Finally, independent claim 14 is amended to recite "wherein the distance between a one of the plurality of common electrodes and an adjacent one of the plurality of pixel electrodes is greater than the respective width of the one of the plurality of common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested by *Kim*. Therefore, Applicant respectfully submits that Claims 1, 5, and 14 patentably distinguish over *Kim* and that corresponding dependent Claims 2-4, and 6-13 are also distinguishable for at least the same reasons. Therefore, Applicants respectfully request that the rejection under 35 U.S.C. § 103(a) of Claims 1, 3-5, 7-14 be withdrawn.

Claims 1-14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over a U.S. Patent to *Lee et al.*, hereinafter *Lee*. Applicant understands the *Lee* reference to be U.S. Patent No. 6,256,081. Independent claim 1 is amended to recite "wherein the distance between a one of the plurality of common electrodes and an adjacent one of the plurality of pixel electrodes is greater than the respective width of the one of the plurality

LAW OFFICES OF
MACPHERSON KIWOK CHEN &
HEID LLP
2402 MICHELSON DRIVE
SUITE 210
IRVINE CA 92613
(949) 752-7040
FAX (949) 752-9262

of common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested by *Lee*. In contrast, *Lee* teaches the distance between a counter electrode 23e-1 and a pixel electrode 27e-1 is narrower than the respective width of the counter electrode and the pixel electrode (*Lee* col. 7 line 27 to col. 8 line 62 and Figs. 3-4). Further, *Lee* actually teaches away from a larger gap (*Lee* col. 8 lines 49-62). Independent claim 5 is amended to recite "wherein the distance between the one of the plurality of branched common electrodes and an adjacent one of the plurality of branched pixel electrodes is greater than the respective width of the one of the plurality of branched common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested by *Lee*. Finally, independent claim 14 is amended to recite "wherein the distance between a one of the plurality of common electrodes and an adjacent one of the plurality of pixel electrodes is greater than the respective width of the one of the plurality of common electrodes and the adjacent one of the plurality of pixel electrodes" that is neither taught nor suggested *Lee*. Therefore, Applicant respectfully submits that Claims 1, 5, and 14 patentably distinguish over *Lee* and that corresponding dependent Claims 2-4, and 6-13 are also distinguishable for at least the same reasons. Therefore, Applicant respectfully requests the rejection of claims 1-14 under 35 U.S.C. § 103(a) as being unpatentable over *Lee* be withdrawn.

New claim 15 depends from the amended independent claim 1, new claim 16 depends from the amended independent claim 5; and new claim 17 depends from the amended independent claim 14. Claims 15-17 recite the redundant data line is made of a material selected from the group consisting of indium tin oxide (ITO), indium zinc oxide (IZO), and chromium (Cr) and are supported by the specification as filed (Specification

LAW OFFICES OF
MACPHERSON KWOK CHEN &
BIRD LLP
2402 MICHELSON DRIVE
SUITE 210
IRVING CA 92614
(949) 752-7040
FAX (949) 592-9263

paragraph [0052] lines 1-3). Claims 15-17 are also believed allowable based on the allowability of the independent claims 1, 5, and 14, respectively, as discussed above.

Accordingly, Applicant respectfully submits that Claims 1-17 are in proper form for allowance. Reconsideration and withdrawal of the objections and rejections are respectfully requested and a timely Notice of Allowance is solicited. If there are any questions regarding any aspect of the application, please call the undersigned at (949) 752-7040.

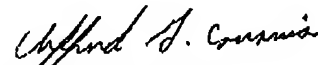
Certification of Facsimile Transmission

I hereby certify that this paper is being facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.


Monique M. Butler

June 19, 2006
Date of Signature

Respectfully submitted,


Clifford G. Cousins
Agent for Applicants
Reg. No. 50,315

LAW OFFICES OF
MACPHERSON KWOK CHEN &
BEID LLP
2402 MICHELSON DRIVE
SUITE 210
IRVINE CA 92612
(949) 752-7040
FAX (949) 752-9252